

FIG. 1

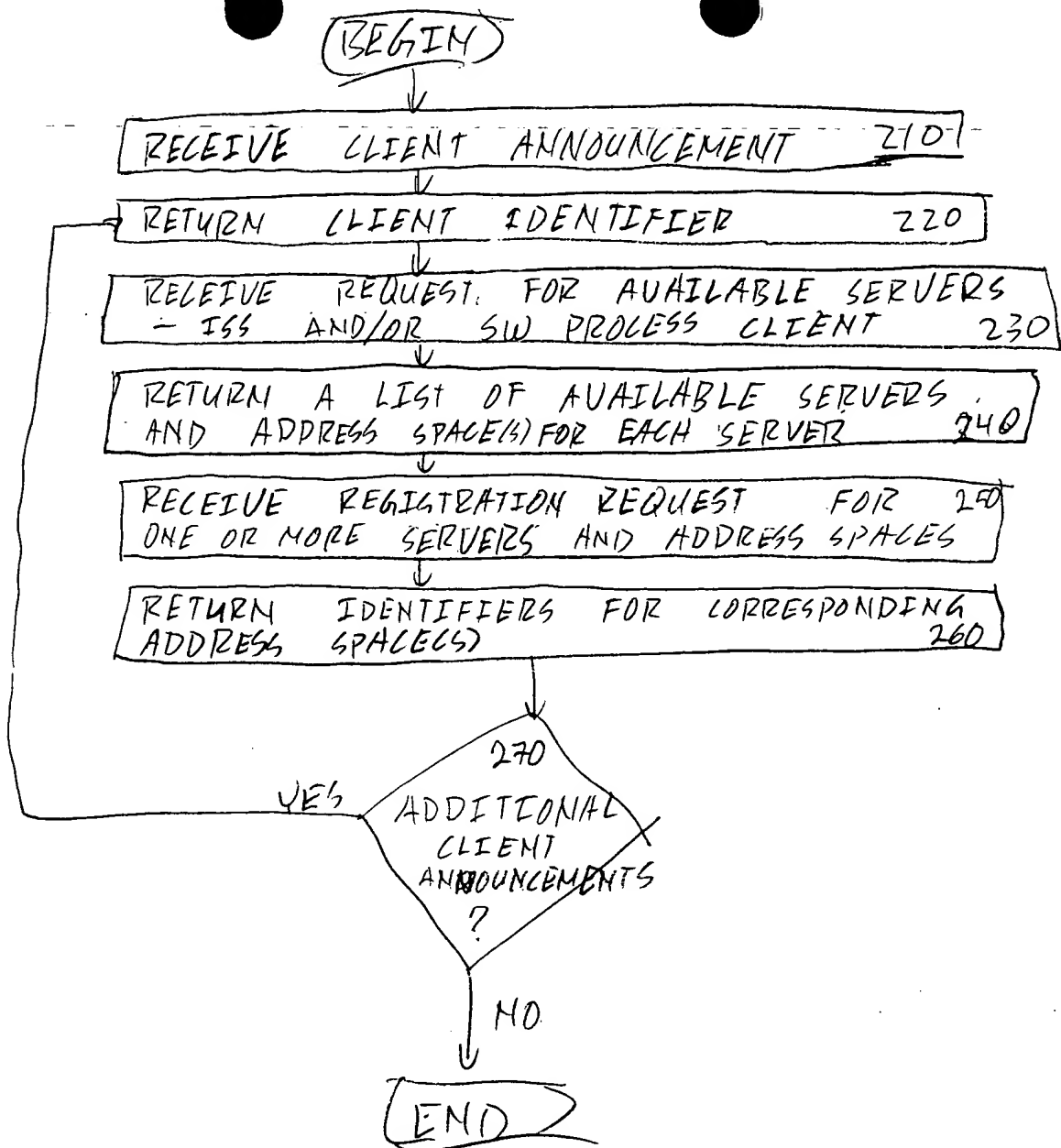


FIG. 2

BEGIN

RECEIVE REQUEST FOR SYMBOL CONFIGURATION  
DATA INCLUDING CLIENT IDENTIFIER AND ADDRESS SPACE IDENTIFIER 310

ISSUE REQUEST INTO HW PROCESS.  
OVER A FIRST PATH, TO BE  
SERVICED BY THE SW PROCESS  
CONTROL PATH - HW KERNEL,  
BIM IN LOGIC SIM, IPL, CO-SIM  
MANAGER IN SW KERNEL, ISS,  
DEBUGGER, SYMBOL TABLE 320

RECEIVE SYMBOL CONFIGURATION  
DATA OVER FIRST PATH  
CONFIGURATION DATA - ADDRESS,  
TYPE, SIZE, ETC. 330

RETURN SYMBOL CONFIGURATION  
DATA TO THE IDENTIFIED CLIENT 340

YES

350  
ADDITIONAL  
REQUEST  
?

NO

END

FIG. 3

BEGIN

RECEIVE REQUEST FOR MEMORY OPERATION  
INCLUDING CLIENT IDENTIFIER AND  
ADDRESS

MEMORY OPERATION - READING SOFTWARE  
STATE, MODIFYING SOFTWARE STATE, OR  
REGISTERING THE SOFTWARE STATE FOR CALL  
BACK AT A FUTURE TIME OR ACTION  
ON THE SOFTWARE STATE 410

ISSUE MEMORY OPERATION OVER -- 420  
A DATA PATH

DATA PATH - HW KERNEL LOOKUP  
IN MEMORY MAP, MEMORY STORE

RECEIVE DATA OVER DATA PATH  
WHEN AND IF APPROPRIATE TO THE  
MEMORY OPERATION 430

RETURN DATA TO CLIENT TO TAKE  
APPROPRIATE ACTION WHEN AND IF DATA RECEIVED  
ACTION - INJECT STIMULUS  
IN THE CO-SIMULATION, ETC. 440

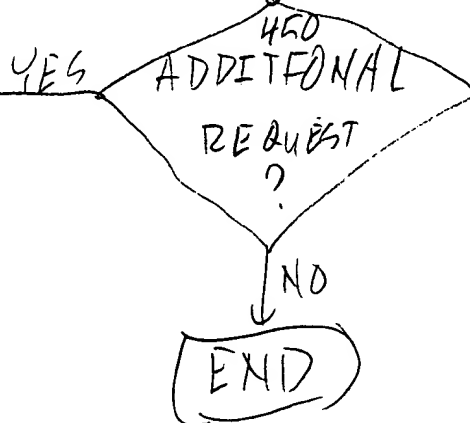


FIG. 4



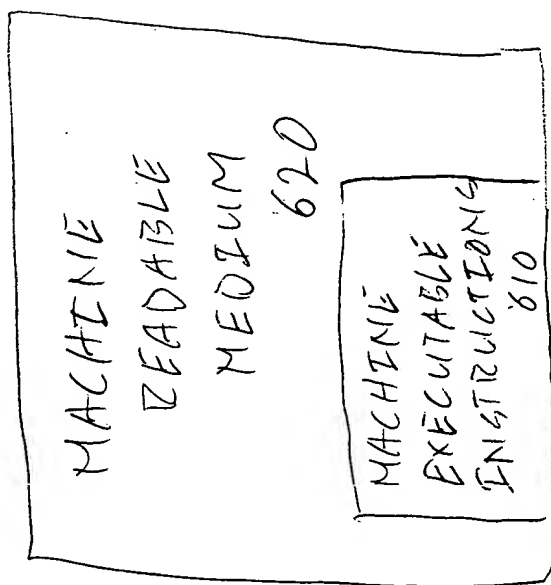


Fig. 6